

Title (en)

GROUND SHIELDS POSITIONED BETWEEN COLUMNS OF CONTACTS

Title (de)

ZWISCHEN SÄULEN VON KONTAKTEN POSITIONIERTE ERDABSCHIRMUNGEN

Title (fr)

BLINDAGES DE MISE À LA TERRE POSITIONNÉS ENTRE DES COLONNES DE CONTACTS

Publication

EP 4362241 A1 20240501 (EN)

Application

EP 23206252 A 20231026

Priority

US 202218050576 A 20221028

Abstract (en)

An electrical connector (12) which controls crosstalk and signal radiation. The electrical connector (12) includes columns of contacts having signal contacts (42) and ground contacts (44). Ground shields (46) are positioned between the columns of contacts. The ground shields (46) have planar members (52) with mating ends (48) and mounting ends (50). The planar members (52) have surfaces (54) which are configured to be electrically coupled to ground members (26) on a mating connector (14). Voids (56) are provided in the planar members (52). Mounting members (66) extend from the mounting ends (50) of the planar members (52). The mounting members (66) are configured to cooperate with the ground contacts (44) provided in the columns of contacts.

IPC 8 full level

H01R 13/6587 (2011.01); **H01R 13/6476** (2011.01); **H01R 13/6588** (2011.01)

CPC (source: EP US)

H01R 12/724 (2013.01 - US); **H01R 13/6464** (2013.01 - EP); **H01R 13/6471** (2013.01 - EP US); **H01R 13/6476** (2013.01 - EP); **H01R 13/6587** (2013.01 - EP); **H01R 13/6588** (2013.01 - EP US); **H01R 13/6594** (2013.01 - EP); **H01R 12/585** (2013.01 - EP); **H01R 12/737** (2013.01 - EP); **H01R 13/514** (2013.01 - EP); **H01R 13/518** (2013.01 - EP)

Citation (search report)

- [XAYI] US 2018083392 A1 20180322 - TROUT DAVID ALLISON [US], et al
- [YA] US 2021296826 A1 20210923 - WU SHENGYU [CN], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4362241 A1 20240501; CA 3217681 A1 20240428; CN 117954913 A 20240430; US 2024145995 A1 20240502

DOCDB simple family (application)

EP 23206252 A 20231026; CA 3217681 A 20231025; CN 202311408867 A 20231026; US 202218050576 A 20221028